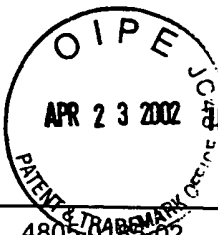


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Atty. Docket No. 4805.0185-02		Serial No. 10/052,638					
Applicant Hiroshi KOMATSU							
Filing Date January 23, 2002		Group Art Unit: 2871					
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
M	4,239,346	12/16/80	Lloyd				
	4,726,659	2/23/88	Conrad et al.				
	5,307,189	4/26/94	Nishiki et al.				
	5,321,535	6/14/94	Ukai et al.				
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	5,464,669	11/7/95	Kang et al.				
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Examiner J.T.			Date Considered 05/12/02				
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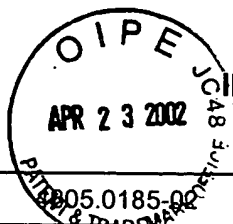
Atty. Docket No.	4805-0189-02	Serial No.	10/052,638
Applicant Hiroshi KOMATSU			
Filing Date	January 23, 2002	Group Art Unit:	2871

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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
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↘	4,688,074	8/18/1987	Iinuma			

Examiner <i>T. H.</i>	Date Considered <i>08/28/02</i>
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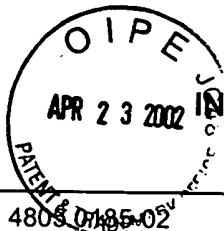
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Atty. Docket No. 005.0185-0000				Serial No. 10/052,638			
Applicant Hiroshi KOMATSU							
Filing Date January 23, 2002				Group Art Unit: 2871			
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
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Examiner T.K.			Date Considered 08/28/02				
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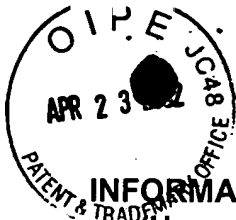
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Atty. Docket No. 4805.0189.02		Serial No. 10/052,638					
Applicant Hiroshi KOMATSU							
Filing Date January 23, 2002				Group Art Unit: 2871			
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
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Atty. Docket No.	4805 0185-02	Serial No.	10/052,638			
Applicant Hiroshi KOMATSU						
Filing Date	January 23, 2002	Group Art Unit:	2871			
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
7r	7-36058	2/7/95	Japan			
	7-225388	8/22/95	Japan			
	9-5793	1/10/97	Japan			
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Examiner	Date Considered 03/18/02					
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Applicant Hiroshi KOMATSU							
Filing Date January 23, 2002				Group Art Unit: 2871			
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21		09105908 A	4/22/97	Japan			
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Examiner <i>T. T.</i>				Date Considered <i>8/28/02</i>			
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Atty. Docket No.	4805.0185-02	Serial No.	10/052,638
Applicant	Hiroshi KOMATSU		
Filing Date	January 23, 2002	Group Art Unit:	2871
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Examiner	T.T.	Date Considered	08/14/02
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